

ABSTRACT OF THE DISCLOSURE

A method for detecting the presence or absence of, or for determining the concentration of, NADH or NADPH in a sample is provided, wherein the method comprises contacting a reductase and a redox active agent to said sample; and measuring the quantity of reduced redox active agent produced by the reductase, by electrochemical means. The method may be used to quantify the amount or activity of a redox enzyme or its substrate, wherein the redox enzyme uses NAD^+ , NADP^+ , NADPH or NADP as a cofactor.